Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	06/30/2017 12:37 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124506	-1	1.29	124400	1.25
Blue	F	SSC	125000	122296	-3	2.89	122650	2.63
Blue	E	FITC	23355	22441	-4	2.38	1000	10.13
Blue	D	PE	28848	28140	-3	1.88	1013	9.61
Blue	B	PerCP-Cy5-5	47791	46824	-3	3.24	1349	16.60
Blue	A	PE-Cy7	41358	40789	-2	4.92	626	35.94
Red	C	APC	51316	50606	-2	2.63	2927	9.39
Red	A	APC-Cy7	53225	52496	-2	2.64	1086	11.11
Violet	B	V450	14473	13707	-6	3.46	661	8.46
Violet	A	V500	59973	58634	-3	3.16	2600	5.99

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19808	3.11	607	9	N/A	N/A	Pass
Blue	F	SSC	60609	1.54	540	6	N/A	N/A	Pass
Blue	E	FITC	113	37.93	543	-1	0.0211	123	Pass
Blue	D	PE	223	27.91	539	1	0.1613	210	Pass
Blue	B	PerCP-Cy5-5	212	43.93	629	-1	0.0104	94	Pass
Blue	A	PE-Cy7	69	117.49	682	1	0.0116	12	Pass
Red	C	APC	344	27.05	591	-3	0.0203	38	Pass
Red	A	APC-Cy7	118	40.70	572	-4	0.0057	1722	Pass
Violet	B	V450	79	40.43	469	-2	0.0501	1811	Pass
Violet	A	V500	190	20.64	501	0	0.0148	20	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.76	-31.48	0.80
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.31
Red	18.12	13.27 - 19.91	N/A	N/A	31.86	32.06	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 13782

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments